

Input:

R\_0 : initial reputation

ID: PMU/sensor identities

Δ δ: active power difference

ΔV : voltage amplitude variation

D: Detection level

R\_t: Updated reputation at time t.

Flag: true or false

Output: (ID, D, R\_t, )

Init(ID, R\_0)

setStatus(ID, Δ δ, ΔV, D);

for ID 🡨 ID\_i

do:

R\_0 🡨 R\_i

if (true)

R\_t 🡨 R \_0+ D/1k

updateRep(ID, R\_t, D);